PRODUCT INFORMATION PACKET

Model No: A6T17XK35A

Catalog No: 119440.00

..1.5HP..1800RPM.56C.EPFC.230/460V.3PH.60HZ.CONT.40C.1.00SF.RIGID C FACE.....GENERAL PURPOSE.AUTO.....

Explosion Proof

Product Information Packet: Model No: A6T17XK35A, Catalog No:119440.00 ..1.5HP..1800RPM.56C.EPFC.230/460V.3PH.60HZ.CONT.40C.1.00SF.RIGID C FACE.....GENERAL PURPOSE.AUTO.....

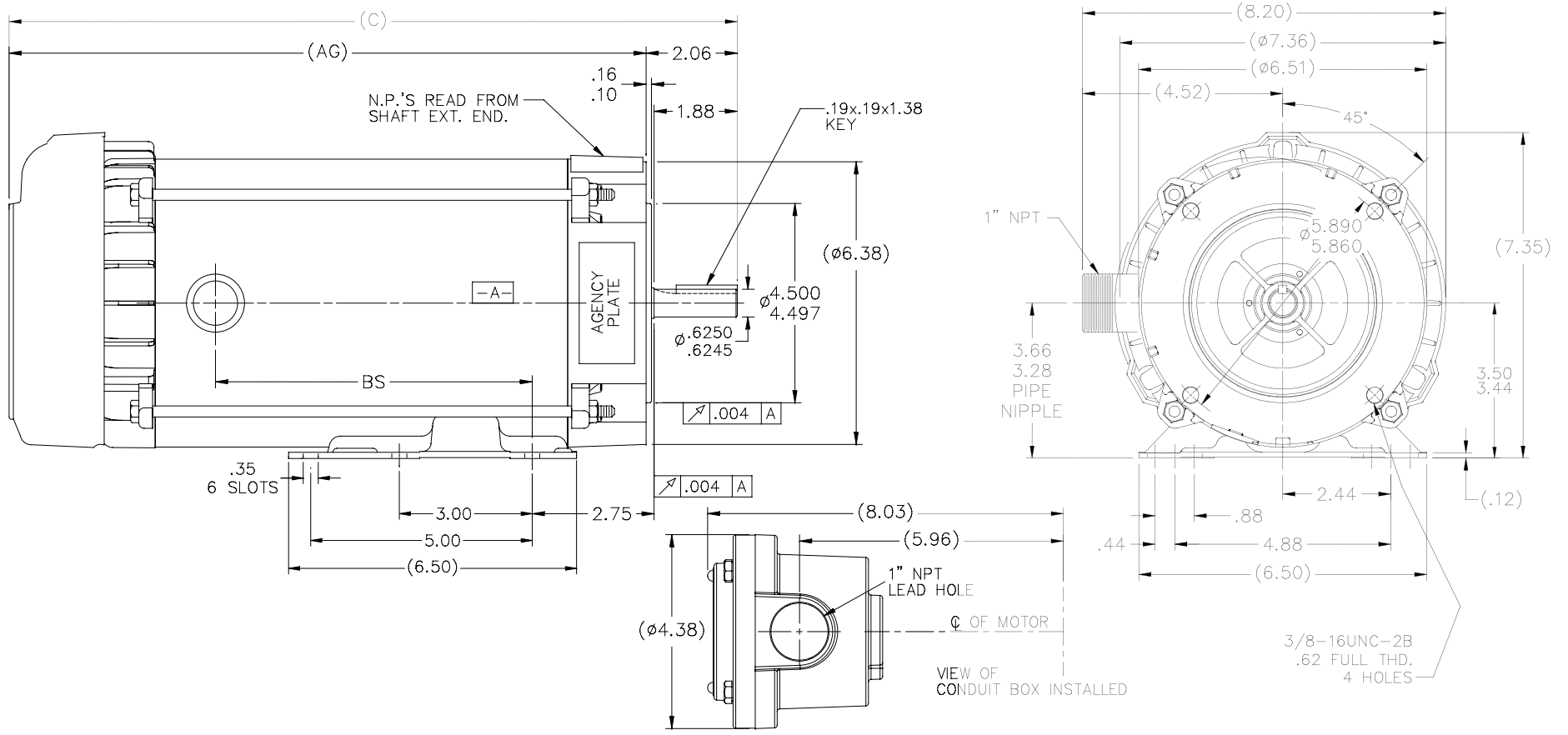
Nameplate Specifications

Output HP	**1.50 Hp**	Output KW	**1.1 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**4.6/2.3 A**	Speed	**1725 rpm**
Service Factor	**1**	Phase	**3**
Efficiency	**86.5 %**	Duty	**Continuous**
Insulation Class	**B**	Design Code	**B**
KVA Code	**P**	Frame	**56C**
Enclosure	**Explosion Proof Fan cooled**	Overload Protector	**Automatic**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6203**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**N**
IP Code	**54**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**NEMA 56**
Overall Length	**15.94 in**	Frame Length	**8.81 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**1.88 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**B-108331-881**	Connection Diagram	**EE7335-LE**

108331



DASH	(C)	(AG)	BS
881	15.94	13.88	6.65
931	16.44	14.38	7.15
981	16.94	14.88	7.65

NO.	REVISION	BY & DATE
A	NEW DRAWING	SM 9/8/2015

TOLERANCES UNLESS SPECIFIED
DEC. INCHES
.X ±.1
.XX ±.03
.XXX ±.005
SM .XXXX ±.0005
CHK ANG ±1/2°
RFP
DIST WP

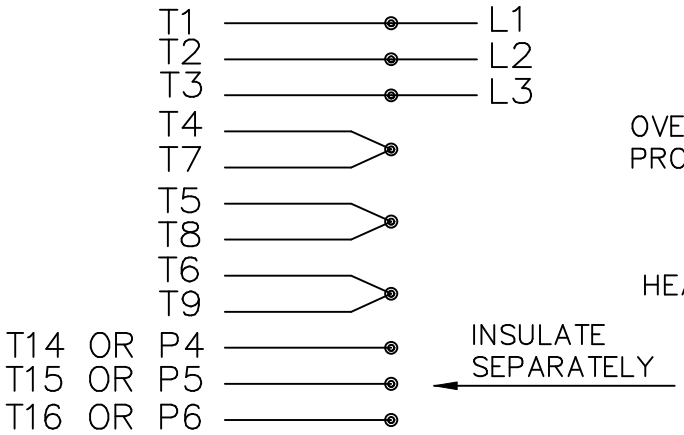
Regal Beloit America, Inc.

TITLE OUTLINE – 'C' FACE
56H FR. – EXP. PR.
MAT'L.
FINISH
CAD FILE 108331

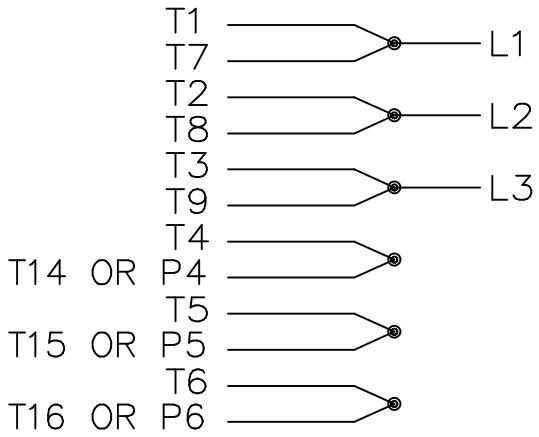
DRAWN	SM 9/8/2015
CHK	SM 9/8/2015
APPD	SM 9/8/2015
SCALE	1=2
REF	104191
FMF	056T34G14002
PREV	

SIZE B | DRAWING NO. 108331 | PAGE OF | REV. A

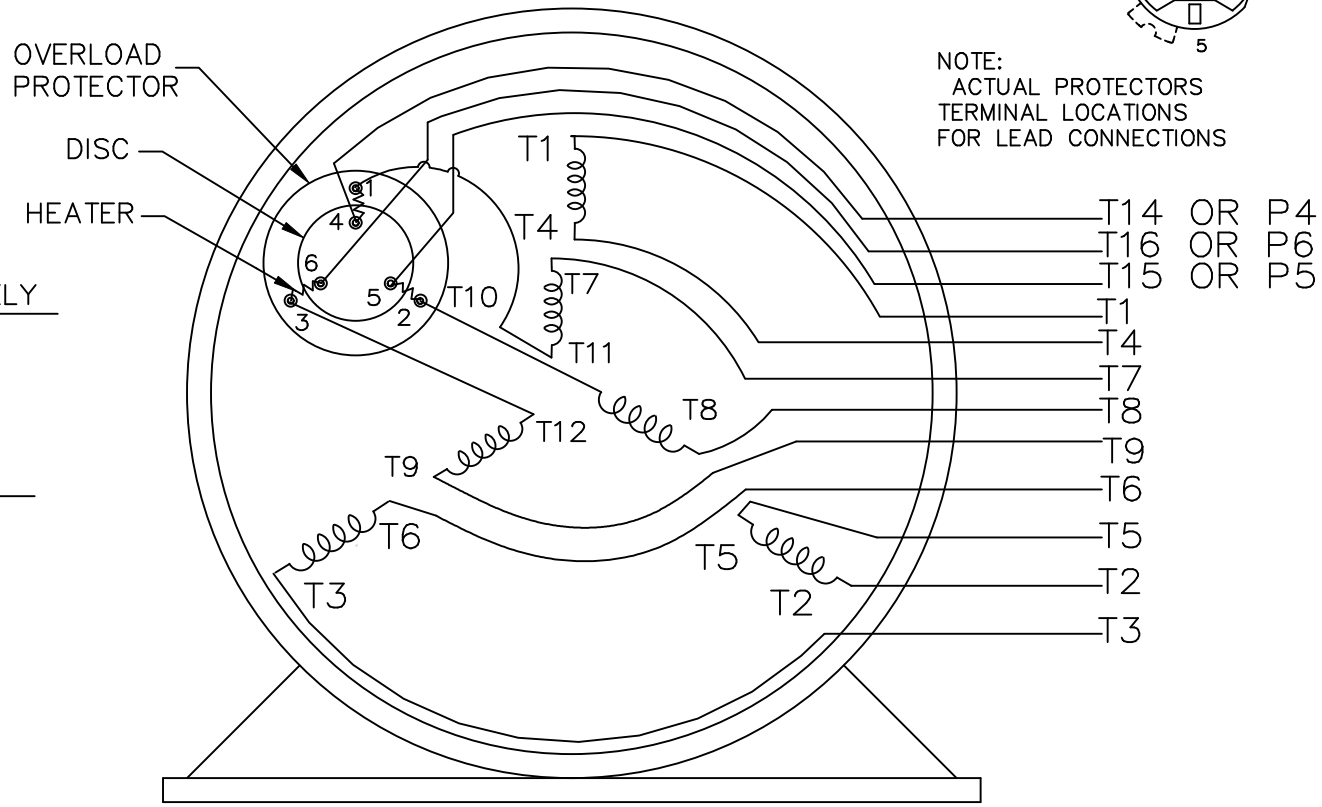
HIGH VOLTAGE CONNECTIONS

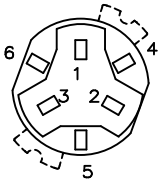


LOW VOLTAGE CONNECTIONS



THREE PHASE – DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR





NOTE:
ACTUAL PROTECTORS TERMINAL LOCATIONS FOR LEAD CONNECTIONS

VIEW OF TERMINAL END

T2K
T4D
T6AN

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	± –
.XX	± –
.XXX	± –
.XXXX	± –
ANG	± –

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE CONNECTION DIAGRAM
3Ø– DUAL VOLTAGE W/OVERLOAD PROTECTOR

MAT'L.
FINISH
CAD FILE EE7335_LE

RFP 04–20–2005
DIST WP

DRAWN	NJS 04–20–2005
CHK	ML 04–20–2005
APPD	MJS 04–20–2005
SCALE	
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7335–LE | PAGE OF | REV.

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P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7335-LE **CAT #:** 119440.00
OUTLINE: B-108331-881
WINDING: ZT4256 R11 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1.5	1.1	1800	1755	56C	EPFC	TFN	P	A

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	4.6/2.3	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	86.5	3/4 LD EFF	85.5	1/2 LD EFF	82.5	GTD EFF	ELECT. TYPE
F.L. PF	71.0	3/4 LD PF	62.5	1/2 LD PF	49.0	84.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
4.5 LB-FT	24.0	21.2 LB-FT 471%	26.0 LB-FT 578%	35	

PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
62 dBA	71 dBA	0.14 LB-FT²	10 LB-FT²	20 SEC.	2	50 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	DF CL I GR C&D CL II GF	NO	NONE	JE - LEESON (ENAM

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6203	BALL 6203	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
4.838	3.78	7.125	7.163	189.605	0.150	ODE

*
NOTES
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE **PPR**

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE **HZ:**
UL: NONE

DATE: 1/31/2018

Data Sheet

Date: 1/31/2018

LEESON

119440.00

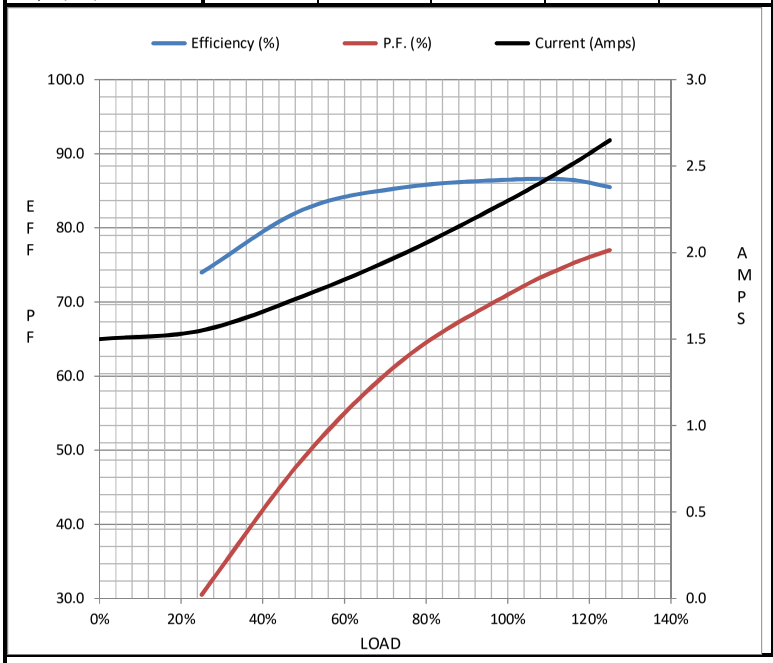
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.50	1.55	1.75	2.00	2.30	2.50	2.65	24.0	
Torque (ft-lb)	0.00	1.10	2.20	3.5	4.5	5.2	5.7	21.2	
RPM	1800	1790	1780	1765	1755	1,750	1745	0	
Efficiency (%)		74.0	82.5	85.5	86.5	86.5	85.5		
P.F. (%)	7.5	30.5	49.0	62.5	71.0	75.0	77.0	69.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	130	1190	1755	1800
Current (Amps)	24.0	23.3	16.0	2.30	1.50
Torque (ft-lb)	21.2	20.2	26.0	4.5	0.00



Information Block

HP	1.5	
Sync. RPM	1800	
Frame	145	
Enclosure	EPFC	
Construction	TFN	
Voltage	230/460	V
Frequency	60	Hz
Design	A	
LR Code letter	P	
Service Factor	1.15	
Temp Rise @ FL	35	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.14	Lb-Ft²
Ref Wdg	ZT4256 R11	
Sound Pressure @ 1M	62	dBA
VFD Rating	NONE	
Outline Dwg	B-108331-881	
Conn. Diag	EE7335-LE	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
4.8380	3.7800	7.1250	7.1630	189.6050

Speed -Torque Curve